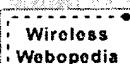


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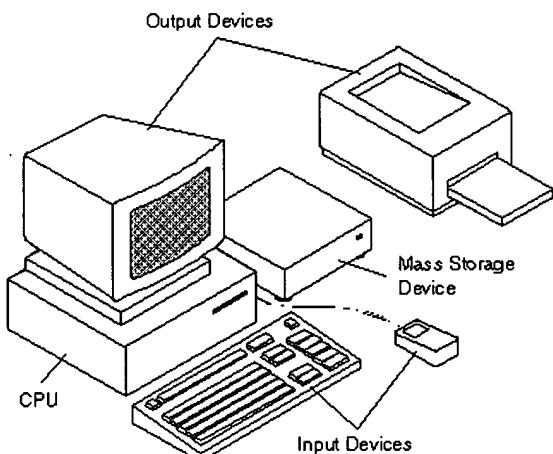
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computer

Last modified: Friday, January 04, 2002



A programmable machine. The two principal characteristics of a computer are:

- It responds to a specific set of instructions in a well-defined manner.
- It can execute a prerecorded list of instructions (a program).

Modern computers are electronic and digital. The actual machinery -- wires, transistors, and circuits -- is called hardware; the instructions and data are called software.

All general-purpose computers require the following hardware components:

- **memory** : Enables a computer to store, at least temporarily, data and programs.
- **mass storage device** : Allows a computer to permanently retain large amounts of data. Common mass storage devices include disk drives and tape drives.
- **input device** : Usually a keyboard and mouse, the input device is the conduit through which data and instructions enter a computer.
- **output device** : A display screen, printer, or other device that lets you see what the computer has accomplished.
- **central processing unit (CPU)**: The heart of the computer, this is the component that actually executes instructions.

In addition to these components, many others make it possible for the basic components to work together efficiently. For example, every computer requires a bus that transmits data from one part of the computer to another.

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L2: Entry 182 of 3949

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Jul 18, 2002

DOCUMENT-IDENTIFIER: US 20020095527 A1

TITLE: Device environment configuration systems, device environment configuration methods, and data storage media therefor

Summary of Invention Paragraph (13):

[0011] Another aspect of the present invention provides a computer program product that executes a device environment configuration method. The computer program product comprises a data storage medium having computer-readable program code embodied therein. The computer program product comprises computer-readable program code that is configured to automatically replicate device environment configuration information to a specific system.

CLAIMS:

21. A computer program product that executes a device environment configuration method, the computer program product comprising a data storage medium having computer-readable program code embodied therein, the computer program product comprising: computer-readable program code that is configured to automatically replicate device environment configuration information to a specific system, wherein the device environment configuration information is specific information contained in system configuration information managed by an operating system of a host computer development system used to develop a software application program to be run on the specific system to achieve specific functions.

22. The computer program product of claim 21, wherein the computer-readable program code that is configured to automatically replicate device environment configuration information to a specific system, comprises: (a) computer-readable program code that is configured to generate settings identical to the device environment settings of the host computer development system based on the device environment settings of the development system recorded to the data storage medium; (b) computer-readable program code that is configured to generate system-specific settings that differ according to the specific system based on system configuration information managed by the host computer of the specific system; and (c) computer-readable program code that is configured to store the same settings generated by step (a) and the system-specific settings generated by step (b) in the system configuration information of the specific system as device environment settings for the specific system.

23. The computer program product of claim 22, wherein computer-readable program code that is configured to generate settings identical to the device environment settings of the host computer development system based on the device environment settings of the development system recorded to the data storage medium, comprises: computer-readable program code that is configured to use device environment configuration information of the development system recorded to the data storage medium as the same settings information without editing; and computer-readable program code that is configured to use the device environment configuration information of the development system recorded to the data storage medium as the same settings information, except for information that changes based on the hardware specifications of the host computer of the specific system.

24. The computer program product of claim 22, wherein computer-readable program code that is configured to generate system-specific settings that differ according to the specific system based on system configuration information managed by the host computer of the specific system, comprises: computer-readable program code that is configured to detect an interface whereby a specific device in the specific system configuration is connected to the specific system, and detect the identification number of the detected interface.

26. The computer program product of claim 21, further comprising: (d) computer-readable program code that is configured to record and store device environment configuration information in the development system configuration information managed by the operating system of the development system host computer to a data storage medium.

is configured to record and store device environment configuration information in the development system configuration information managed by the operating system of the development system host computer to a data storage medium, comprises: computer-readable program code that is configured to specify one or a plurality of settings in the device environment configuration information to be recorded to the data storage medium; computer-readable program code that is configured to find the settings from the device environment configuration information; and computer-readable program code that is configured to record the settings to the specific data storage medium.

28. The computer program product of claim 27, wherein computer-readable program code that is configured to specify one or a plurality of settings in the device environment configuration information to be recorded to the data storage medium, comprises: computer-readable program code that is configured to specify all information in the device environment configuration information to be recorded to the data storage medium.

29. The computer program product of claim 27, wherein computer-readable program code that is configured to specify one or a plurality of settings in the device environment configuration information to be recorded to the data storage medium, comprises: computer-readable program code that is configured to specify device information for one or a plurality of devices in the device environment configuration information to be recorded to the data storage medium.

30. The computer program product of claim 27, wherein computer-readable program code that is configured to specify one or a plurality of settings in the device environment configuration information to be recorded to the data storage medium, comprises: computer-readable program code that is configured to specify device information for a desired device in the device environment, and device information for all devices connected to the desired device by a specific connection method to be recorded to the data storage medium.